

Vivek Kashyap  
Serial no. 10/040,123  
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Page 3

In the specification:

Please replace the paragraphs on lines 16-21 of page 2 of the patent application as filed with the following paragraphs.

FIG. 2 ~~and 3~~ is a flowchart[[s]] showing an alternative embodiment[[s]] of the invention.

FIG. [[4]] 3 is a second configuration that allows servers within a network to receive all packets.

FIG. [[5]] 4 is an example of a computer-readable signal-bearing medium.

FIG. [[6]] 5 [[is]] shows the connection cache of the preferred embodiment, and is suggested for printing on the first page of the issued patent.

Please replace the paragraph on page 7, lines 20-30, with the following paragraph.

As shown in FIG. [[4]] 3, the systems in the cluster talk to the external world through a router. In the preferred embodiment, for redundancy, there are multiple routers 41,42 serving the servers 43,44,45 of the cluster 40. For the permanency peers 43,44,45 to snoop the connections, the basic requirement is that all of the packets to and from the router 41,42 reach all the systems 43,44,45. This can be configured on a case-by-case basis. A single link 46 is set up, and link-level multicast addresses are used. Alternatively two sets of link-level multicast addresses are used, such that one includes all of the servers 43,44,45 and the other includes every system of the cluster 40, including the servers and the routers 41,42. The IP level addresses used are unicast addresses. Thus the packets on the link 46 are all picked up by the permanency peers 43,44,45 and the router 41,42 since the media device picks up all the packets sent to the multicast addresses.

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Please replace the paragraph on page 8, lines 7-9, with the following paragraph.

As shown in FIG. 4, if a single data link cannot take the load, multiple links 56, 57 are setup, and a Layer 4 switch 58 directs the packets down the links on which the relevant interfaces of the systems are located.

Please replace the paragraph on page 11, lines 11-12, with the following paragraph.

FIG. 2 shows a permanency peer's handling of owner recovery directives and fail-over directives.

Please replace the paragraph on page 13, lines 8-13, with the following paragraph.

A specialised permanency peer referred to as a connection cache 60 is shown in FIG. 6. The connection cache 60 resides between the network adapter of connection host 61 and the rest of the network 62, assuring that it sees all the packets that are either sent or received by the host without needing to multicast the packets. Simulated multicast of packets in non-multicast fabrics can be very inefficient, and using connection cache 60 may therefore be advantageous in such situations.